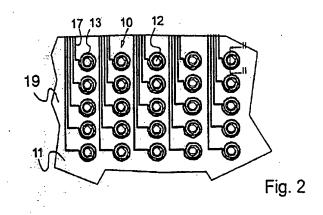
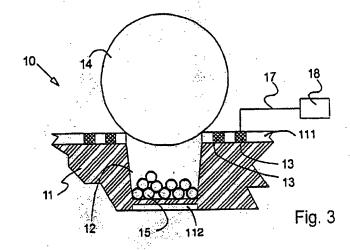
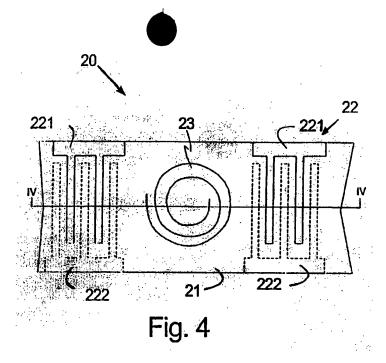


Fig. 1







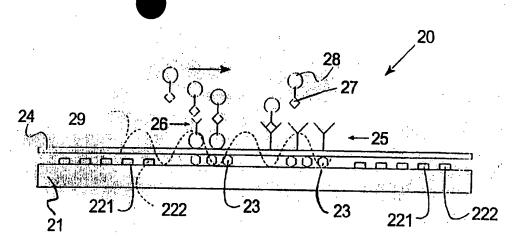
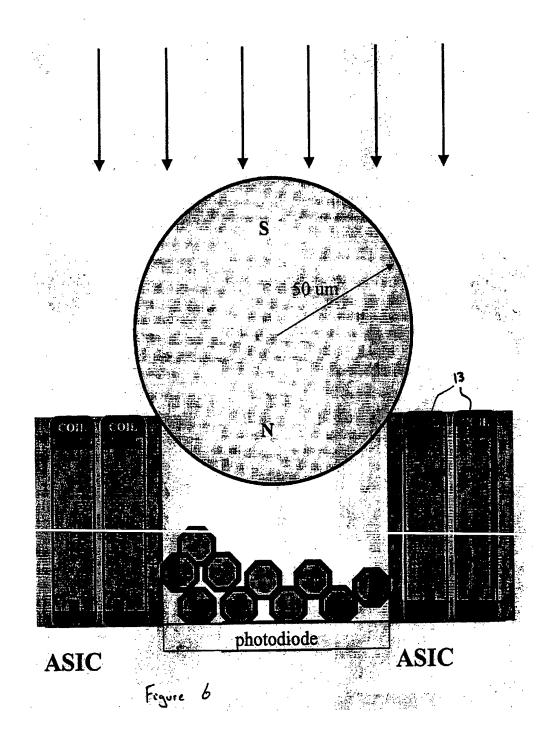
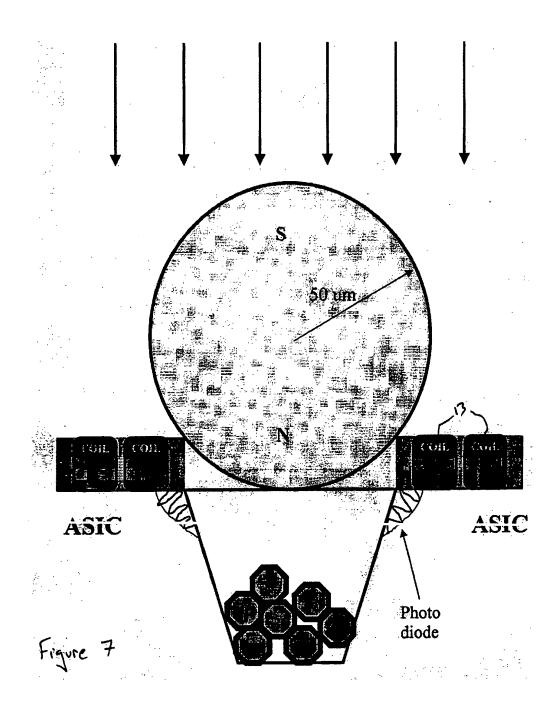
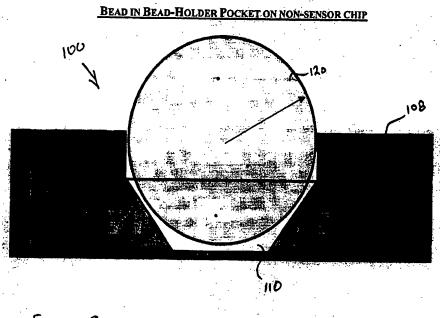


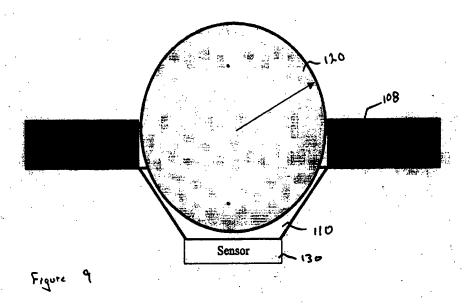
Fig. 5



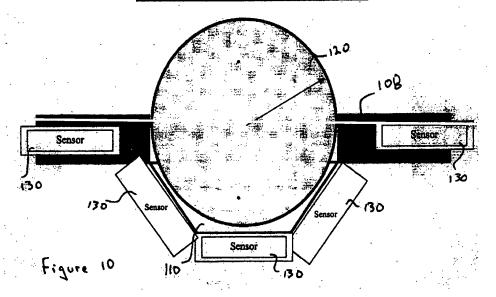




## Particle in pocket, in place over sensor



## A few examples of some other sensor locations



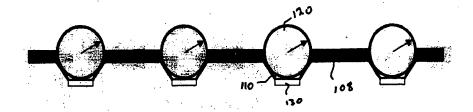
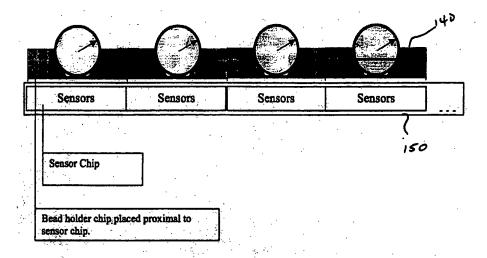


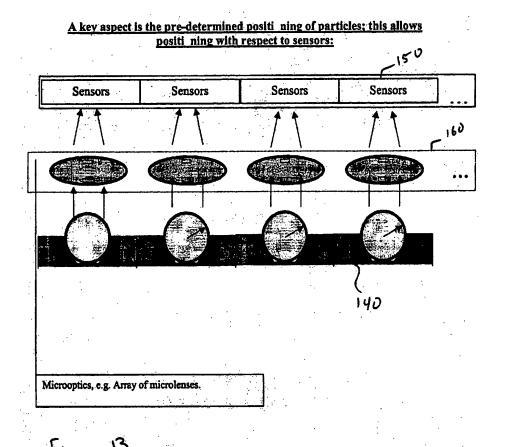
Figure 11

## SEPARATELY MANUFACTURED/HANDLEABLE POCKET CHIP AND SENSOR CHIP



Example Sensors: a commercially availble CMOS photodiode array

Figure 12



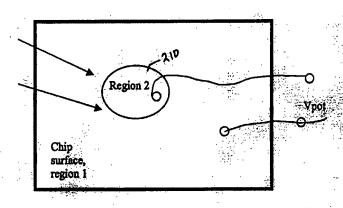


Figure 14. Top-view of a silicon surface with a goped region (region 2).
The electric circuit is completed by Fpot using two leads contacting each region.

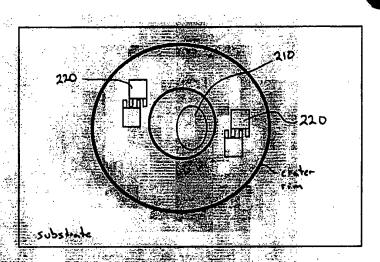


Figure 15. A crater from above, with a dopen region (e.g. photodiode) on the bottom and also two circuits with capacitive detection capability on the sloping insides of the crater.

